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1 [The state of the art in automating usability evaluation of user interfaces](#)



Melody Y. Ivory, Marti A Hearst

December 2001 ACM Computing Surveys (CSUR), Volume 33 Issue 4

Publisher: ACM

Full text available: Pdf (2.31
MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#),
[review](#)

Bibliometrics: Downloads (6 Weeks): 152, Downloads (12 Months): 1407, Citation Count: 37

Usability evaluation is an increasingly important part of the user interface design process. However, usability evaluation can be expensive in terms of time and human resources, and automation is therefore a promising way to augment existing approaches. ...

Keywords: Graphical user interfaces, taxonomy, usability evaluation automation, web interfaces

2 Graphical user interfaces as documents



Dirk Draheim, Christof Lutteroth, Gerald Weber

July CHINZ '06: Proceedings of the 7th ACM SIGCHI New Zealand chapter's international conference on Computer-human interaction: design centered HCI

Publisher: ACM

Full text available: Pdf (301.16 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 147, Citation Count: 0

The representation of GUIs as documents is a technological trend that has been present for some years, but is only now about to significantly change the way in which most user interfaces are developed. This paper examines this change, explains the reasons ...

Keywords: GUI, WYSIWYG, document orientation, end-user development

3 Interest-based personalized search



Zhongming Ma, Gautam Pant, Olivia R. Liu Sheng

February ACM Transactions on Information Systems (TOIS), Volume 25 Issue 1 2007

Publisher: ACM

Full text available: Pdf (1.58 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 58, Downloads (12 Months): 621, Citation Count: 0

Web search engines typically provide search results without considering user interests or context. We propose a personalized search approach that can easily extend a conventional search engine on the client side. Our mapping framework automatically maps ...

Keywords: Open Directory, Personalized search, World Wide Web, information retrieval, user interest, user interface

4 Query-through-drilldown: data-oriented extensional queries



Alan Dix, Damon Oram

May AVI '08: Proceedings of the working conference on Advanced visual interfaces 2008

Publisher: ACM

Full text available: Pdf (940.08 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 18, Citation Count: 0

Traditional database query formulation is intensional: at the level of schemas, table and column names. Previous work has shown that filters can be created using a query paradigm focused on interaction with data tables. This paper presents a technique, ...


Keywords: SQL, data structure mining, data-oriented interaction, database query, extensional query, query-by-browsing, tabular interface

5 Interactive television: new genres, new format, new content

Jens F. Jensen

November 2005 | E2005: Proceedings of the second Australasian conference on Interactive entertainment

Publisher: Creativity & Cognition Studios Press

Full text available:  Pdf (248.67 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 500, Citation Count: 3

The aim of this paper is to discuss some of the main issues associated with interactive genres, formats and content in the context of interactive television (ITV). First, a set of new forms or categorizations of ITV will be presented. Second, the suite ...

Keywords: ITV advertising, Media Theory, T-commerce, art, design and media, cultural and media studies, digital television, electronic program guides, enhanced TV, games and betting, interaction design, interactive television, interactive, digital storytelling, internet at TV, networking (technical and social), new genres, new standards, personalized TV, the interactive viewer/user, video-on-demand


6 Strategy-Based Instruction: Lessons Learned in Teaching the Effective and Efficient Use of Computer Applications



Suresh K. Bhavnani, Frederick A. Peck, Frederick Reif

May 2008 | ACM Transactions on Computer-Human Interaction (TOCHI), Volume 15 Issue 1

Publisher: ACM

Full text available:  Pdf (6.79 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 198, Citation Count: 0

Numerous studies have shown that many users do not acquire the knowledge necessary for the effective and efficient use of computer applications such as spreadsheets and Web-authoring tools. While many cognitive, cultural, and social reasons have been ...

Keywords: Strategies, strategy-based instruction, teaching, training


7 Experiences in developing a typical web/database application



J.-P. Rosen

March 2004 | ACM SIGAda Ada Letters, Volume XXIV Issue 1

Publisher: ACM

Full text available:  Pdf (337.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 79, Citation Count: 0

This paper describes Gesem, an application developed internally by Adalog for managing the registration to its training sessions. The application features a Web interface that uses AWS, an interface to the MySQL DBMS (over ODBC), and a local interface ...

Keywords: AWS, Ada, GTK, data-base, design patterns, web server

8 Assembling and enriching digital library collections

David Bainbridge, John Thompson, Ian H. Witten

May JCDL '03: Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries 2003

Publisher: IEEE Computer Society

Full text available:  Pdf (576.57 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 150, Citation Count: 5

People who create digital libraries need to gather together the raw material, add metadata as necessary, and design and build new collections. This paper sets out the requirements for these tasks and describes a new tool that supports them interactively, ...


9 Self



David Ungar, Randall B. Smith

June HOPL III: Proceedings of the third ACM SIGPLAN conference on History of programming languages 2007

Publisher: ACM

Full text available:  Pdf (1.70 MB)

Additional Information: [full citation](#), [appendices and supplements](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 46, Downloads (12 Months): 401, Citation Count: 0

The years 1985 through 1995 saw the birth and development of the language Self, starting from its design by the authors at Xerox PARC, through first implementations by Ungar and his graduate students at Stanford University, and then with a larger team ...

Keywords: Self, adaptive optimization, cartoon animation, dynamic language, dynamic optimization, exploratory programming, history of programming languages, morphic, object-oriented language, programming environment, prototype-based programming language, virtual machine

10 Core services in the architecture of the national science digital library (NSDL)



Carl Lagoze, William Arms, Stoney Gan, Diane Hillmann, Christopher Ingram, Dean Krafft, Richard Marisa, Jon Phipps, John Saylor, Carol Terrizzi, Walter Hoehn, David Millman, James Allan, Sergio Guzman-Lara, Tom Kalt
July JCDL '02: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries 2002

Publisher: ACM

Full text available: Pdf (940.66 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 104, Citation Count: 13

We describe the core components of the architecture for the National Science Digital Library (NSDL). Over time the NSDL will include heterogeneous users, content, and services. To accommodate this, a design for a technical and organization infrastructure ...

Keywords: architecture, interoperability, metadata, testbeds

11 Experiences in developing a typical web/database application



J.-P. Rosen
December 2003 SigAda '03: Proceedings of the 2003 annual ACM SIGAda international conference on Ada: the engineering of correct and reliable software for real-time & distributed systems using ada and related technologies

Publisher: ACM

Full text available: Pdf (337.61 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 79, Citation Count: 0

This paper describes Gesem, an application developed internally by Adalog for managing the registration to its training sessions. The application features a Web interface that uses AWS, an interface to the MySQL DBMS (over ODBC), and a local interface ...

Keywords: AWS, Ada, GTK, data-base, design patterns, web server

12 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren
November 1997 CASCON '97: Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research

Publisher: IBM Press

Full text available: Pdf (4.21 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 18, Downloads (12 Months): 671, Citation Count: 0

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event ...

13 Programming by a sample: rapidly creating web applications with d.mix



Björn Hartmann, Leslie Wu, Kevin Collins, Scott R. Klemmer

October UI ST '07: Proceedings of the 20th annual ACM symposium on User interface
2007 software and technology

Publisher: ACM

Full text available: Pdf (3.87 MB), Wmv (3:43
MIN)

Additional Information: [full citation](#), [abstract](#), [references](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 30, Downloads (12 Months): 400, Citation Count: 0

Source-code examples of APIs enable developers to quickly gain a gestalt understanding of a library's functionality, and they support organically creating applications by incrementally modifying a functional starting point. As an increasing number of ...

Keywords: mashups, programming by example modification, prototyping, web services

14 Empirical Bayesian data mining for discovering patterns in post-marketing drug safety



David M. Fram, June S. Almenoff, William DuMouchel

August KDD '03: Proceedings of the ninth ACM SIGKDD international conference on
2003 Knowledge discovery and data mining

Publisher: ACM

Full text available: Pdf (461.25
KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 176, Citation Count: 0

Because of practical limits in characterizing the safety profiles of therapeutic products prior to marketing, manufacturers and regulatory agencies perform post-marketing surveillance based on the collection of adverse reaction reports ("pharmacovigilance").The ...

Keywords: association rules, data mining, empirical Bayes methods, pharmacovigilance, post-marketing surveillance

15 News on-demand for multimedia networks



Gene Miller, Greg Baber, Mark Gilliland

September MULTIMEDIA '93: Proceedings of the first ACM international conference on
1993 Multimedia

Publisher: ACM

Full text available: Pdf (106.03 KB), Ps (1.21
MB)

Additional Information: [full citation](#), [references](#), [cited by](#),
[index terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 77, Citation Count: 17

Keywords: authoring, database, digital video, information service, messaging, networked multimedia, news, retrieval, wideband

16 Your place or mine?: visualization as a community component



Catalina M. Danis, Fernanda B. Viegas, Martin Wattenberg, Jesse Kriss

April CHI '08: Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems

Publisher: ACM

Full text available: Pdf (446.34 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 53, Downloads (12 Months): 220, Citation Count: 0

Many Eyes is a web site that provides collaborative visualization services, allowing users to upload data sets, visualize them, and comment on each other's visualizations. This paper describes a first interview-based study of Many Eyes users, which sheds ...

Keywords: communication, distributed community, social data analysis, visualization

17 The basics of e-learning: an excerpt from handbook of human factors in web design



Lisa Neal, Diane Miller

August eLearn, Volume 2005 Issue 8
2005

Publisher: ACM

Full text available: Publisher Site , Html (121.89 KB)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 312, Citation Count: 1

18 Simulation and C41 data collection in support of force XXI training

William J. Frederic, Mark B. Hamby, James S. Mathison, Ronald D. Nugen

December WSC '98: Proceedings of the 30th conference on Winter simulation
1998

Publisher: IEEE Computer Society Press

Full text available: Pdf (1.07 MB)

Additional Information: [full citation](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 16, Citation Count: 0

19 Communications of the ACM: Volume 51 Issue 8



August issue Volume 51 Issue 8

2008

Publisher: ACM

Full text available: Digital Edition , Pdf (6.85 MB)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 8698, Downloads (12 Months): 8698, Citation Count: 0

20 Communications of the ACM: Volume 51 Issue 9



September issue Volume 51 Issue 9
2008

Publisher: ACM

Full text available: Digital Edition , Pdf (8.68 MB)

Additional Information: [full citation](#)

Bibliometrics: Downloads (6 Weeks): 8844, Downloads (12 Months): 8844, Citation Count: 0

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